

AMENDMENTS TO THE SPECIFICATION

Please replace the present title with the following new title:

Silyl-diamine Initiators for Anionic Polymerization of 1,3-Butadiene and Styrene, and
Rubber Compositions

Please replace the paragraph no. [0015] with the following amended paragraph:

[0015] The modified conjugated diene polymer according to the invention is preferable to have a Moony-Mooney viscosity ML₁₊₄ (100°C) of 10-150.

Please replace the paragraph no. [0016] with the following amended paragraph:

[0016] In the modified conjugated diene polymer according to the invention, it is preferable that the modified conjugated diene polymer wherein Z¹ in the formula (I) is an alkali metal or an alkaline earth metal is modified with a carbanion reactive compound. In this case, Z¹ in the formula (I) is a residue produced by reacting with the carbanion reactive compound. As the carbanion-carbonion reactive compound used in the modification are preferable a compound including at least one of C=X (X is O, S or C) and an epoxy group as a carbanion reaction site and a nitrogen-containing functional group, a silicon-containing compound, and a tin-containing compound.

Please replace the paragraph no. [0017] with the following amended paragraph:

[0017] As the compound including at least one of C=X and an epoxy group as a carbanion reaction site and a nitrogen-containing functional group are preferable 4-dimethylamino benzophenone, 4-diethylamino benzophenone, 4,4'-bis(dimethylamino) benzophenone, 4,4'-bis(diethylamino) benzophenone, 4-dimethylaminodimethylamino benzaldehyde, 4-diethylamino benzaldehyde, 1,1-bis(4-dimethylaminophenyl) ethylene, 1,1-bis(4-diethylaminophenyl) ethylene, 1,1-dimethoxy trimethylamine, 4-

dimethylaminobenzylidene aniline, N,N-dimethylformamide, N,N-diethylformamide, N,N-dimethylacetamide, dimethylacetamide, N,N-diethylacetamide, diethylacetamide, 4-pyridylamide, 4-pyridyl-ethyleneoxide, 4-vinylpyridine, 2-vinylpyridine, dicyclohexyl carbodiimide, ϵ -caprolactam, N-methyl- ϵ -caprolactam, 1,3-dimethyl-2-imidazolidinone imidazolidinone, N-methylpyrrolidone, methylpyrrolidone, methylpyrrolidone, phenylisocyanate, phenylisocyanate, phenylthioisocyanate, phenylthioisocyanate and diisocyanate diphenylmethane. Further, 4,4'-bis(dimethylamino) benzophenone, 4-vinylpyridine and 1,3-dimethyl-2-imidazolidinone imidazolidinone are preferable.

Please replace the paragraph no. [0019] with the following amended paragraph:

[0019] As the silicon-containing compound used in the modification are preferable a hydrocarbyloxysilane-hydrocarbyloxysilane compound represented by the following formula (III): [wherein A¹ is a monovalent group having at least one functional group selected from (thio)epoxy, (thio)isocyanate, (thio)ketone, (thio)aldehyde, imine, amide, isocyanuric acid triester, (thio)carboxylic acid hydrocarbylester, a metal salt of (thio)carboxylic acid, carboxylic anhydride, a halide of carboxylic acid, carbonic acid dihydrocarbylester, cyclic tertiary amine, non-cyclic tertiary amine, nitrile, pyridine, sulfide, multi-sulfide, an alkali metal salt of amine, an alkaline earth metal salt of amine, silazane and disilazane; R⁵ is a single bond or a divalent inactive hydrocarbon group; R⁶ and R⁷ are independently a monovalent aliphatic hydrocarbon group having a carbon number of 1-20 or a monovalent aromatic hydrocarbon group having a carbon number of 6-18; n is an integer of 0-2; when plural OR⁷'s are existent, these OR⁷'s may be same or different; active proton and onium salt is not included in the molecule] and a partial condensate thereof, and a hydrocarbyloxysilane compound represented by the following formula (IV): R⁸_p-Si-(OR⁹)_{4-p}... (IV) (wherein R⁸ and R⁹ are independently a monovalent aliphatic

hydrocarbon group having a carbon number of 1-20 or a monovalent aromatic hydrocarbon group having a carbon number of 6-18; p is an integer of 0-2; when plural OR⁹ s are existent, these OR⁹ s may be same or different; active proton and onium salt is not included in the molecule) and a partial condensate thereof.

Please replace the paragraph no. [0021] with the following amended paragraph:

[0021] Also, the polymerization initiator according to the invention is characterized by the following formula (V): (wherein R¹, R² and R³ are the same ~~mining~~^{meaning} as mentioned above; Y² is a substituted silyl group; a part of R¹, R², R³ and Y² may be bonded to each other to form a cyclic structure; M¹ is an alkali metal or an alkaline earth metal).

Please replace the paragraph no. [0058] with the following amended paragraph:

[0058] As the carbanion reactive compound used in the modification of the polymerization active terminal are mentioned a compound including at least one of C=X and an epoxy group as a carbanion reaction site and a nitrogen-containing functional group, a silicon-containing compound, a tin-containing compound and the like. As the compound including at least one of C=X and epoxy group and the nitrogen-containing functional group are mentioned 4-dimethylamino benzophenone, 4-diethylamino benzophenone, 4,4'-bis(dimethylamino) benzophenone, 4,4'-bis(diethylamino) benzophenone, 4-dimethylamino benzaldehyde, 4-diethylamino benzaldehyde, 1,1-bis(4-dimethylaminophenyl) ethylene, 1,1-bis(4-diethylaminophenyl) ethylene, 1,1-dimethoxy trimethylamine, 4-dimethylaminobenzilidene aniline, N,N-dimethylformamide, N,N-diethylformamide, N,N-~~dimethylacetamide~~^{dimethylacetamide}, N,N-~~diethylacetamide~~^{diethylacetamide}, 4-pyridylamide, 4-pyridyl-ethyleneoxide, 4-vinylpyridine, 2-vinylpyridine, dicyclohexylcarbodiimide, ϵ -caprolactam, N-methyl- ϵ -caprolactam, 1,3-dimethyl-2-

imidazolidinone, N-methylpyrrolidone, phenylisocyanate, phenylthioisocyanate, diisocyanate phenylmethane and the like. Among them, 4,4'-bis(dimethylamino) benzophenone, 4-vinylpyridine and 1,3-dimethyl-2-imidazolidinone are preferable.